

Curriculum Vitae Guido L. Geerts

Associate Professor
University of Delaware
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EDUCATION

Ph.D., Free University Brussels (with Greatest Distinction), May 1993.
Major Field: Accounting Information Systems

BS in Economics, Free University Brussels (with Distinction) 1982-1986.

WORK EXPERIENCE

Academic Positions

Fall 2003 – Present	Associate Professor, Department of Accounting and MIS, University of Delaware
Fall 2000 – Summer 2003	Assistant Professor, Department of Accounting and MIS, University of Delaware
1994 – Spring 2000	Assistant Professor, Department of Accounting, Michigan State University
1993 - 1994	Doctor Assistant, Department of Business Informatics, Faculty of Economics, Social and Political Sciences, Free University Brussels.
1989 - 1993	OZR Researcher, Department of Business Informatics, Faculty of Economics, Social and Political Sciences, Free University Brussels. Project: Accounting Expert Systems.
1986-1989	Assistant Professor, Department of Business Informatics, Faculty of Economic, Social and Political Sciences, Free University Brussels.

Consulting Activities

EDI Implementation, Algemene Bank Nederland, 1988.

CIMAD/IBM, Consultant Accounting Information Systems, 1993 – 1996.

PUBLICATIONS

Journal Articles

“The Timeless Way of Building REA Enterprise Systems,” Accepted for publication in *Journal of Emerging Technologies in Accounting* (with Harry Wang).

“Using Blog Technology for Collaborative Learning of Accounting and Corporate Governance Issues: Design and Implementation of the Sarbanes-Oxley Blog,” *The Review of Business Information Systems*, Volume 11, No. 3, Third Quarter 2007, pp. 75- 84. (with Winnifred Scott).

“Type-Level Specifications in Enterprise Information Systems,” *Journal of Information Systems*, Volume 20, No. 2, Fall 2006, pp. 37-63 (with William McCarthy).

“Blogging 101 for CPAs,” *The CPA Journal*, July 2005, pp. 12-13 (with Myunghee Kim).

“SportsStuff.com: A Case Study on XML Technologies, E-Business Processes and Accounting Information Systems,” *Journal of Information Systems*, Volume 18, No. 2, Fall 2004, pp. 61-73. (with Clinton White).

“An XML Architecture for Operational Enterprise Ontologies” *Journal of Emerging Technologies in Accounting*, Volume 1, 2004, pp. 73-90.

“A Structured Approach to Teaching Cardinalities in the AIS Class,” *The Review of Business Information Systems*, Volume 8, No. 4, Fall 2004, pp. 1-16.

“An Introduction to Web Services,” *The CPA Journal*, August 2004, pp. 70-71 (with Robert Paretta and Clinton White).

“Stevie: A Dynamic, Between-Instructor Collaborative Internet Tool for Learning Cardinalities,” *Journal of Information Systems*, Volume 16, No. 1, Spring 2002, pp. 75-89. (with Barbara Waddington and Clinton White).

Design and Evaluation of an Internet Study Tool as a Data Collection Device. *The Review of Business Information Systems*, Volume 6(1), Winter 2002, pp. 7-16 (with Barbara Waddington).

“An Ontological Analysis of the Primitives of the Extended-REA Enterprise Information Architecture,” *The International Journal of Accounting Information Systems*, 3 (2002), pp. 1-16 (with William McCarthy).

“Using Object Templates from the REA Accounting Model to Engineer Business Processes and Tasks,” *The Review of Business Information Systems*, Volume 5(4), Fall 2001, pp. 89-108 (with William McCarthy).

“Augmented Intensional Reasoning in Knowledge-Based Accounting Systems” *Journal of Information Systems*, Volume 14, No. 2, Fall 2000, pp. 127-150 (with William McCarthy).

“Delivery of Accounting Information Systems Study Tools Through the Internet,” *The Review of Accounting Information Systems*, Volume 4(1), Winter 2000, pp. 37-46 (with Barbara Waddington).

“Sophisticated Web Design,” *Journal of Accountancy*, April 2000, pp. 55-59 (with Barbara Waddington and Steven Dilley).

“The Belgian Chocolate Company: A Dynamic Data Modeling and Database Design Case for the Accounting Information Systems Class,” *Journal of Information Systems*, Volume 14, No. 1, Spring 2000, pp. 53-74 (with Barbara Waddington).

“An Accounting Object Infrastructure for Knowledge-Based Enterprise Models,” *IEEE Intelligent Systems*, July/August 1999, pp. 89-94 (with William McCarthy).

“Automated Integration of Enterprise Accounting Models Throughout the Systems Development Life Cycle,” *The International Journal of Intelligent Systems in Accounting, Finance & Management*, September 1996, pp. 113-128. (with William McCarthy and Steve Rockwell).

Book Chapters

“Modeling Business Enterprises as Value-Added Process Hierarchies with Resource-Event-Agent Object Templates,” in Jeff Sutherland and Dilip Patel (eds.), “*Business Object Design and Implementation*,” Springer-Verlag, 1997, pp. 94-113 (with William McCarthy).

“Database Accounting Systems,” in B. Williams and B. J. Sproul (eds.), “*IT and Accounting. The Impact of Information Technology*,” Chapman and Hall, London, 1991, pp. 159-183, (with William McCarthy).

Papers in Conference Proceedings

“The Timeless Way of Building REA Enterprise Systems,” (Abstract) in *Proceedings of the IFIP International Conference on Research and Practical Issues of Enterprise Information*

Systems, Vienna, Austria, (April 2006), pp. 359 – 360.

“REA Ontology Use in ebXML and the UN/CEFACT Modeling Methodology (N90),” (Position Paper) in *Proceedings of the First Semantic Web Working Symposium, Stanford University, Palo Alto, California* (August 2001), p. 63, (with William McCarthy).

“Use of an Accounting Object InfraStructure for Knowledge-Based Enterprise Models,” in *Proceedings of the AAAI-97 Spring Symposium Series on Ontological Engineering*, Stanford University, Palo Alto, California (March 1997), pp. 41-49, (with William McCarthy).

“Augmented Intensional Reasoning in Knowledge-Based Accounting Systems,” (Abstract) in *Proceedings TIMS-ORSA Meeting*, Detroit, Michigan, (October 1994), (with William McCarthy).

“Database Accounting Support for Decision Problems in the New Manufacturing Environment,” in *Proceedings of the International Conference on Economics/Management and Information Technology* (CEMIT92/CECOIA3), Tokyo, Japan, (September 1992), pp. 285-288 (with William McCarthy).

“The Extended Use of Intensional Reasoning and Epistemological Adequate Representations in Knowledge-Based Accounting Systems,” in *Proceedings of the Twelfth International Workshop on Expert Systems and Their Applications*, Avignon, France, (June 1992), pp. 321-332 (with William McCarthy).

“Semantic Modeling of an Accounting Universe of Discourse. The Usefulness of Inter-Relationship Constraints,” *Proceedings of the 10th International Conference on the Entity Relationship Approach*, San Mateo, California (October 1991), pp. 263-283.

“Quality Control of Conceptual Schemas,” *Proceedings of the Third International Workshop on Software Engineering and its Applications*, Toulouse, France, (December 1990), pp. 305-319.

Other Publications

Proceedings of the First European Conference on Accounting Information Systems (editor), (with E.Vaassen).

Proceedings of the Second European Conference on Accounting Information Systems (editor), (with E.Vaassen).

Working Papers

KaDo: An Advanced Enterprise Modeling, Database Design, Database Implementation, and Information Retrieval Case for the Accounting Information Systems Class; Under review at *Journal of Information Systems* (with Kinsun Tam).

The Ontological Foundation of REA Enterprise Information Systems (with William McCarthy)

Semantic Specification and Automated Enforcement of Internal Control Procedures within Accounting Systems (with Graham Gal and William McCarthy)

Work in Progress

Materialization of Account Balances (with William McCarthy).

PRESENTATIONS

Keynote Presentations

Keynote presentation on “Enterprise Ontologies” at the “Second International Workshop on Semantics of Enterprise Integration,” November 2002, Seattle, Washington.

Workshop Presentations

“Policy-Level Specifications in REA Enterprise Information Systems,” Free University Brussels, Belgium, November 24, 2006

“Advanced Projects for the Accounting Information Systems Class,” CPE Workshop presented at the AAA National Meeting, San Francisco, August 7, 2005 (with Uday Murthy)

“The Odyssey of the Introductory AIS Course – REA Teaching Techniques,” AIS Educators Association Fifth Annual Meeting, Colorado, June 29-July 1, 2003 (with Barbara Waddington).

“The AIS Odyssey,” Mini-Workshop, Mid-Atlantic Region Annual Meeting, Philadelphia, 2003 (with Linda Parsons).

“The Ontological Foundation of REA Enterprise Information Systems, “ Arizona State University, University of Delaware, University of Florida, University of San Diego, Fall 1999.

“An Interactive Internet Tool for Learning in Accounting Information Systems,” University of Michigan at Flint, March 1998.

“Teaching Accounting Information Systems,” University of Maastricht, The Netherlands, Fall 1997.

“The Economic and Strategic Structure of REA Accounting Systems,” Accounting Department,

MSU, 1994.

Invited Presentations

“Websites/ Internet Uses,” Presentation at the Deloitte & Touche Enhancing the Learning Seminar Experience Seminar, Colorado Springs, July 2001.

“The Economic and Strategic Structure of REA Accounting Systems” Presentation to the 300th Anniversary Program, Martin Luther University, Halle-Wittenberg, Germany, September 1994.

Paper Presentations

“KaDo: An Advanced Enterprise Modeling, Database Design, Database Implementation, and Information Retrieval Case for the Accounting Information Systems Class,” Annual Meeting of the American Accounting Association, Chicago, August 2007 (with Kinsun Tam); AAA-IS Section Mid-Year Conference, Redondo Beach, January 2008 (with Kinsun Tam).

“The Timeless Way of Building REA Enterprise Systems,” The Fifteenth Annual Research Workshop on AI/ET in Accounting, Auditing and Tax, Washington D.C., August 2006.

“Type-Level Specifications in Enterprise Information Systems,” Semantic Modeling of Accounting Phenomena Workshop, Philadelphia, August 2000; Annual Meeting of the American Accounting Association, San Francisco, August 2005 (with William McCarthy); AAA-IS Section Mid-Year Conference, Phoenix, January 2006 (with William McCarthy).

“Stevie: A Dynamic, Between-Instructor Collaborative Internet Tool for Learning Cardinalities,” European Conference on Accounting Information Systems, Copenhagen, Denmark, April 2002; Semantic Modeling of Accounting Phenomena Workshop, Phoenix, February 2002; AIS Educator Conference, Denver, August 2001; AAA Midwest Regional Meeting, Minneapolis April 1999, Congress of the European Accounting Association, April 1998, Antwerp (with Barbara Waddington and Clinton White).

“An XML Architecture for Operational Enterprise Ontologies,” Lerner College of Business and Economics Research Presentations, University of Delaware, January 2005, AAA-IS Section Mid-Year Conference, San Diego, California, January 2003, European Conference on Accounting Information Systems, Copenhagen, Denmark, April 2002; 12th Mini Euro Conference (EURO-IFORS), Brussels, Belgium, April 2002; Semantic Modeling of Accounting Phenomena Workshop, Phoenix, February 2002; International Workshop on Semantics of Enterprise Integration, Tampa Bay, October 2001.

“Using Object Templates from the REA Accounting Model to Engineer Business Processes and Tasks,” AIS Educator Conference, Denver, August 2001; Congress of the European Accounting Association, Graz, April 1997 (with William McCarthy).

- “The Ontological Foundation of REA Enterprise Information Systems,” Annual Meeting of the American Accounting Association, Philadelphia, August 2000 (with William McCarthy).
- “Design and Evaluation of an Internet Data Collection Tool,” AAA Midwest Regional Meeting, Indianapolis, April 2000 (with Barbara Waddington).
- “The Belgian Chocolate Company: A Dynamic Data Modeling and Database Design Case for the Accounting Information Systems Class,” AAA Midwest Regional Meeting, Indianapolis, April 2000 (with Barbara Waddington).
- “An Ontological Analysis of the Primitives of the Extended-REA Enterprise Information Architecture,” 7th Annual AIS Research Symposium, Phoenix, February 2000 (with William McCarthy).
- “Dynamic Web Applications for the AIS Classroom,” 3rd Annual AIS Teaching Seminar, Phoenix, February 2000; Semantic Modeling of Accounting Phenomena Workshop, San Diego, August 1999 (with Barbara Waddington).
- “REAPER. An Object-Oriented Accounting Framework,” 7th Mini Europe Conference. Decision Support Systems, Groupware, Multimedia and Electronic Commerce, Bruges, Belgium, March 1997 (with William McCarthy).
- “The REA Approach to Business Process and Task Specification,” 7th Mini Europe Conference. Decision Support Systems, Groupware, Multimedia and Electronic Commerce, Bruges, Belgium, March 1997 (with William McCarthy).
- “The Timeless Way of Building Accounting Information Systems: The ‘Activity’ Pattern,” OOPSLA'97 Business Object Workshop, Atlanta, October 1997.
- “Accounting as Romance: Patterns of Unrequited Love and Incomplete Exchanges in Life and in Business Software,” OOPSLA'97 Business Object Workshop, Atlanta, October 1997 (with William McCarthy).
- “Augmented Intensional Reasoning in Knowledge-Based Accounting Systems,” AAA AI/ES Workshop, Orlando, August 1995; ORSA/TIMS Conference, Detroit, October 1994, The International Workshop on Knowledge-Based Systems and Strategic Management, ABO, Finland, June 1994 (with William McCarthy).
- “The Cost Revolution from a Data Modeling Point of View,” Congress of the European Accounting Association, Madrid, Spain, April 1992 (with William McCarthy).
- “Conceptualizing and Practical Implications of the Use of a Knowledge-Based Events Accounting System,” IFORS Specialized Conference on Decision Support Systems, Bruges, Belgium,

March 1991 (with William McCarthy).

“Een Ontwerpmethodologie voor Database Accounting Systems,” Eerste N.V.A.M.-congres Intern Ondernemerschap, Amsterdam, the Netherlands, January 1993.

Papers Accepted for Presentation at Conferences and Presented by a Co-Author

“Semantic Specification and Automated Enforcement of Internal Control Procedures within Accounting Systems,” Tenth Continuous Auditing and Reporting Symposium, Newark, November 2005; Semantic Modeling of Accounting Phenomena Workshop, Phoenix, January 2006; Fourteenth World Continuous Auditing and Reporting Symposium, Newark, November 2007 (with Graham Gal and William McCarthy)

“The Ontological Foundation of REA Enterprise Information Systems,” Annual Meeting of the American Accounting Association, San Francisco, August 2005 (with William McCarthy).

“SportsStuff.com: A Case Study on XML Technologies, E-Business Processes and Accounting Information Systems,” 2004 AAA-IS Section Mid-Year Conference, January 2004, Clearwater, Florida (with Clinton White)

“An Integrated e-Business Case Using REA and Native XML,” Accounting Information Systems Educators Association, Colorado, June 2003 (Presentation by Clinton White).

Panel Presentations

“Assembling a tenurable AIS research portfolio,” AAA-IS Section Mid-Year Conference, New Orleans, January 2005.

“Changes in the Structure of Accounting Education: Integrating Technology into the Accounting Curriculum,” the 22nd Annual Meeting of the Federation of Schools of Accountancy, Savannah, December 1998.

“The Future of AIS -- Developing Our Own Frameworks for Research and Teaching,” AIS Research Symposium, Phoenix, February 1996.

Workshops at Companies

“The REA Enterprise Ontology,” NaVision, Copenhagen Denmark (April 2003)

“An XML Architecture for Operational Enterprise Ontologies,” NaVision, Copenhagen Denmark (April 2002)

Other Presentations

“Using Weblogs as Engagement Tool,” ITUE (Institute for Transforming Undergraduate Education) Symposium: Pedagogies of Engagement, University of Delaware, January 19, 2006 (with Winifred Scott).

COURSES TAUGHT

University of Delaware (Fall 2000 - present)

Undergraduate: Accounting Information Systems (ACCT302)
 Systems Analysis and Implementation (BUEC430)
Graduate: Database Design, Networks & Implementation (ACCT804)

Michigan State University (Fall 1994 to Spring 2000)

Undergraduate: Accounting Information Systems
Graduate: Emerging Issues in Accounting Information Systems
 International Business Course (the Netherlands, Belgium)

REA Basic School. A weeklong training course for AIS instructors organized by the American Accounting Association (2002, 2003, 2004, 2005).

Postgraduate International Program Chartered Controller, The Netherlands (November 1996, March 1997 and July 1997)

Accounting Information Systems & Internal Control

University of Warsaw, Poland (January 1994)

Systems Analysis

Free University Brussels (1986-1994)

Undergraduate and Graduate
Conceptual Modeling, Relational Databases, Systems Analysis, Programming Languages

SERVICE CONTRIBUTIONS

Service University of Delaware

Department

Department Chair Search Committee (2007-2008)

Department Chair Search Committee (2006)

Research Workshop Coordinator (2005-present)

MIS faculty recruiting committee (2004).

Summer research grant committee (2003)

Committee for reappointment of the accounting department chair (2002).

MIS faculty recruiting committee (2001-2002).

College:

Undergraduate Programs Committee (2007 – present).

MBA Committee (2003–2005)

Lerner committee (2003).

MIS undergraduate committee (2001-2002).

Conference Activities

National Meeting Coordinator for the AAA Artificial Intelligence/Emerging Technologies Section (2008)

Member of the Program Committee for BUSITAL'08, Montpellier, France (June 2008).

Member of the Program Committee for the 4th International Conference on Enterprise Systems, Accounting, and Logistics (ICESAL) (July 2007)

Chair REA-25 Conference, Newark, Delaware (June 2007)

National Meeting Coordinator for the AAA Artificial Intelligence/Emerging Technologies Section (2006)

Member of the Program Committee for the 3rd International Conference on Enterprise Systems and Accounting (ICESAcc), Santorini Island, Greece, (June 2006)

Member of the Scientific Committee for the 2nd International Conference on Enterprise Systems and Accounting (ICESAcc), Thessaloniki, (July 2005)

Co-Organizer of the First International REA Technology Workshop, Copenhagen, Denmark, April 22-24, 2004

Co-Organizer of OOPSLA Workshop on Semantics of Enterprise Integration III (2003)

Member of the Scientific Committee for the European Conference on Accounting Information Systems (2002-2005)

National Meeting Coordinator for the AAA Artificial Intelligence/Emerging Technologies Section (1999)

Midwest Support Liaison Coordinator for the AAA Information Systems section (1999).

Midwest Liaison for the AAA Information Systems section (1999).

Co-chair of ECAIS – The European Conference on Accounting Information Systems (1998, 1999, 2000, 2001)

Co-founder of ECAIS -- The European Conference on Accounting Information Systems (1998).

Editorial Responsibilities

Associate Editor *Journal of Information Systems* (January 2008 – Present)

Editorial Board *Enterprise Information Systems* (February 2007 – Present)

Editorial Board *AIS Educator Journal* (June 2006 – Present)

Editorial Board *Issues in Accounting Education* (August 2004 – Present)

Editorial Board *Journal of Information Systems* (Spring 2001 – December 2007)

Editorial Board *International Journal of Accounting Information Systems* (June 1999 – Present)

Reviewer

Journals

European Accounting Review

Enterprise Information Systems

IBM Systems Journal

International Journal of Accounting Information Systems

International Journal of Intelligent Systems in Accounting, Management and Finance

Issues in Accounting Education

Issues in Accounting Information Systems

Journal of Enterprise Information Management

Journal of Information Systems

The Accounting Review

Conferences and Workshops

Annual AAA Mid-Year Conference – IS Section

Annual AAA Mid-Year Conference – AI/ET Section

Annual AIS Research Symposium

European Conference on Accounting Information Systems

International Conference on Enterprise Systems and Accounting
International Research Symposium on Accounting Information Systems
Workshop on Semantics of Enterprise Integration

Books

Dunn, C.L., Cherrington J.O. and A.S. Hollander. *Enterprise Information Systems: a Pattern-Based Approach*, Third Edition. McGraw-Hill.

Other

Reviewer for the second and third XBRL International Academic Competition

Scientific Committee Conferences

Workshop on Business/IT Alignment and Interoperability (BUSITAL) 2008.
European Conference on Accounting Information Systems
International Conference on Enterprise Systems and Accounting

Membership in Professional Societies

Member of the American Accounting Association (AAA)

Other

Vice President AI/ET Section American Accounting Association (2007 – 2008)

Faculty Advisor Tau Epsilon Phi (Fall 2007)

Chair Research Committee AI/ET Section American Accounting Association (2007 – 2008)

Secretary/Treasurer AI/ET Section American Accounting Association (2006 – 2007)

Group Leader New Faculty Consortium, American Accounting Association, Washington DC, February 3-6, 2005

Group Leader New Faculty Consortium, American Accounting Association, Washington DC, February 5-8, 2004

Treasurer Information Systems Section American Accounting Association (2003-2004)

ACADEMIC HONORS

AAA-IS Section Midyear Meeting Best Education Paper, “KaDo: An Advanced Enterprise Modeling, Database Design, Database Implementation, and Information Retrieval Case for the Accounting Information Systems Class,” Redondo Beach, January 10-12, 2008 (with Kinsun Tam).

Lester W. Chadwick Excellence in Teaching Award, Department of Accounting & MIS, 2006

AAA-IS Section Midyear Meeting Outstanding Research Paper, “Policy-Level Specifications in REA Enterprise Information Systems,” Phoenix, January 4-7, 2006 (with William McCarthy).

Research Grant, College of Business and Economics, University of Delaware (2005)

2004 Student Choice Excellence in Undergraduate Teaching Award (Alfred Lerner College of Business and Economics, University of Delaware)

Outstanding Paper Award – Accounting Information Systems Educators Association, “An Integrated e-Business Case Using REA and Native XML,” Colorado, June 29-July 1, 2003 (with Clinton White).

Research Grant, College of Business and Economics, University of Delaware (2003)

XBRL Academic Competition 2001-2002 - Grand prize winner (with Skip White, Luke Brown, and Jeremy Liebman)

Outstanding Paper Award – Accounting Information Systems Educators Conference, Estes Park, Colorado, August 2001 (with William McCarthy).

1997-1998 Roland F. Salmonson Outstanding Faculty Teaching Award (Accounting Department Michigan State University)

IBM Scholarship (1990) to visit Michigan State University